

7 Budget

The total project cost for the update of the Plan Update is \$584,372. This includes \$358,252 in IRWMP planning grant funds and an additional \$226,120 in local and in-kind services.

7.1 Cost Estimate Assumptions

Table 7-1 provides the overall project budget to prepare Plan Update. The budget includes (1) consultant support, which would be funded by this grant application, to primarily complete the technical analysis and (2) in-kind services by the local participating agencies to primarily provide, project coordination, public outreach, and review of the Plan. A brief description of the in-kind services is presented below to quantify the level of effort required of RWMG members.

This is followed by a brief description of the cost estimate for the consultant support.

7.1.1 General Assumptions

The following assumptions were used to develop the cost estimate of the in-kind services:

- The project duration is assumed to be 12 months.
- The RWMG would consist of 10 to 12 member agencies and would have 6 bi-monthly meetings and roughly 3 additional special meetings as required.

7.1.2 Staff Assumptions for In-Kind Services

The agency manager and administrative staff will have a high level of involvement in the development of the IRWMP and in coordinating the efforts of the members of the RWMG, their participating agencies, and other interested parties.

Administrative staff time to support the IRWMP Project Manager is included. The anticipated level of effort for each task is presented in Table 7-1 and briefly described below.

- **IRWMP Project Manager.** The IRWMP Manager for the RWMG is anticipated to spend about twenty [20] hours per month on the project. Much of this time includes participating in project meetings and coordinating among the RWMG, project participants, stakeholders, and other interested parties. In addition, the IRWMP Manager will provide project management for the participating agencies and the consultant(s).

Yuba Region IRWMP Update																								
Estimated Project Budget																								
Consultant													In-Kind Services											
Task Number/Name			Senior Principal Engineer	Principal Engineer/ Geologist	Managing Senior Engineer	Senior Engineer/ Geologist	Staff Engineer	GIS	AA & Clerical	TOTAL	TOTAL	OTHER	SUBTOTAL	IRWMP Project Manager	RWMG Agency Managers	Admin & Clerical	TOTAL	TOTAL	OTHER	In-Kind	TOTAL	Member Funded Project	Grant Funded Costs	
			Project Manager	Project Manager	Senior Engr	Climate Change/ Hydrogeo	Staff Engineer																	
			Grade 8	Grade 7	Grade 6	Grade 5	Grade 1 or 2	Grade 3		LABOR	LABOR	DIRECT	PROJECT				LABOR	LABOR	DIRECT	PROJECT	PROJECT			
			\$225	\$200	\$169	\$148	\$102	\$112	\$82	HOURS	COSTS	COSTS	COSTS		\$180	\$180	\$70	HOURS	COSTS	COSTS	COSTS	COSTS		
Task 1 - Project Management			0	64	0	0	0	0	60	124	\$17,720	\$10,000	\$27,720	132	80	72	284	\$28,800	\$40,000	\$68,800	\$96,520	\$68,800	\$27,720	
1.1	Contract Administration		0	0	0	0	0	0	0	0	\$0	\$0	\$0	4	0	8	12	\$1,280	\$0	\$1,280	\$1,280	\$1,280	\$0	
1.2	Project Management		0	24	0	0	0	0	20	44	\$6,440	\$0	\$6,440	24	0	12	36	\$5,160	\$0	\$5,160	\$11,600	\$5,160	\$6,440	
1.3	Project Reporting		0	40	0	0	0	0	40	80	\$11,280	\$10,000	\$21,280	24	0	12	36	\$5,160	\$0	\$5,160	\$26,440	\$5,160	\$21,280	
1.4 IRWMP Support Since October 2008			0	0	0	0	0	0	0	0	\$0	\$0	\$0	80	80	40	200	\$17,200	\$40,000	\$57,200	\$57,200	\$57,200	\$0	
Task 2 - Public Involvement Process and Meetings			0	168	0	0	0	0	40	208	\$36,880	\$3,000	\$39,880	80	360	0	440	\$75,200	\$0	\$75,200	\$115,080	\$75,200	\$39,880	
2.1	Initial Public Meeting		0	12	0	0	0	0	4	16	\$2,728	\$400	\$3,128	8	40	0	48	\$8,640	\$0	\$8,640	\$11,768	\$8,640	\$3,128	
2.2	Update Stakeholder List and Involvement Plan		0	8	0	0	0	0	4	12	\$1,928	\$400	\$2,328	8	40	0	48	\$8,640	\$0	\$8,640	\$10,968	\$8,640	\$2,328	
2.3	Public Meeting on Draft IRWMP		0	8	0	0	0	0	12	20	\$2,584	\$400	\$2,984	8	40	0	48	\$8,640	\$0	\$8,640	\$11,624	\$8,640	\$2,984	
2.4	Monthly and Special RWMG Meetings		0	80	0	0	0	0	12	92	\$16,984	\$1,200	\$18,184	40	200	0	240	\$43,200	\$0	\$43,200	\$61,384	\$43,200	\$18,184	
2.5	Agency Board Meetings		0	60	0	0	0	0	8	68	\$12,656	\$600	\$13,256	16	40	0	56	\$6,080	\$0	\$6,080	\$19,336	\$6,080	\$13,256	
Task 3 - Review and Formalize Governance			0	24	0	0	0	0	24	\$4,800	\$10,000	\$14,800	16	80	16	112	\$18,400	\$0	\$18,400	\$33,200	\$18,400	\$14,800		
3.1	Review Governance Options with RWMG		0	12	0	0	0	0	0	12	\$2,400	\$0	\$2,400	8	40	8	56	\$9,200	\$0	\$9,200	\$11,600	\$9,200	\$2,400	
3.2	Select Select and Implement Goverance Option		0	12	0	0	0	0	0	12	\$2,400	\$10,000	\$12,400	8	40	8	56	\$9,200	\$0	\$9,200	\$21,600	\$9,200	\$12,400	
Task 4 - Update Plan			28	272	200	640	300	96	44	1580	\$234,180	\$0	\$234,180	70	48	0	118	\$19,800	\$0	\$19,800	\$253,980	\$19,800	\$234,180	
4.1	Refine and Enhance Planning Objectives for IRWMP		4	8	0	0	0	0	0	12	\$2,500	\$0	\$2,500	2	0	0	2	\$360	\$0	\$360	\$2,860	\$360	\$2,500	
4.2	Review and Update Integrated Management Strategies for Reigon		4	8	0	0	0	0	0	12	\$2,500	\$0	\$2,500	2	0	0	2	\$360	\$0	\$360	\$2,860	\$360	\$2,500	
4.3	Review and Update Project Review Process		4	40	0	0	80	0	20	144	\$18,700	\$0	\$18,700	2	0	0	2	\$360	\$0	\$360	\$19,060	\$360	\$18,700	
4.4	Update Water Budget and Develop WEAP		0	24	0	160	60	40	0	284	\$39,080	\$0	\$39,080	24	0	0	24	\$4,320	\$0	\$4,320	\$43,400	\$4,320	\$39,080	
4.5	Review Resource Management Strategies		4	12	0	40	0	0	0	56	\$9,220	\$0	\$9,220	2	0	0	2	\$360	\$0	\$360	\$9,580	\$360	\$9,220	
4.6	Review and Update Projects to address Water Management Strategies		0	16	40	0	0	0	0	56	\$9,960	\$0	\$9,960	2	0	0	2	\$360	\$0	\$360	\$10,320	\$360	\$9,960	
4.7	Project Support for DACs		0	8	40	200	40	24	16	328	\$46,040	\$0	\$46,040	2	0	0	2	\$360	\$0	\$360	\$46,400	\$360	\$46,040	
4.8	Project Feasibility Review		0	16	40	80	0	0	0	136	\$21,800	\$0	\$21,800	2	0	0	2	\$360	\$0	\$360	\$22,160	\$360	\$21,800	
4.9	Project Integration Review		8	20	0	0	0	0	0	28	\$5,800	\$0	\$5,800	8	24	0	32	\$5,760	\$0	\$5,760	\$11,560	\$5,760	\$5,800	
4.10	Environmental Justice Review		0	8	0	0	0	8	0	16	\$2,496	\$0	\$2,496	2	0	0	2	\$360	\$0	\$360	\$2,856	\$360	\$2,496	
4.11	Climate Change Vulnerability and Mitigation Review		0	8	0	80	0	0	0	88	\$13,440	\$0	\$13,440	4	0	0	4	\$720	\$0	\$720	\$14,160	\$720	\$13,440	
4.12	Integration of Land Use Planning		0	16	40	0	0	0	0	56	\$9,960	\$0	\$9,960	2	0	0	2	\$360	\$0	\$360	\$10,320	\$360	\$9,960	
4.13	DAC Issues Review		0	12	0	40	0	24	8	84	\$11,664	\$0	\$11,664	4	12	0	16	\$1,200	\$0	\$1,200	\$12,864	\$1,200	\$11,664	
4.14	Determine Impacts and Benfits of IRWMP		0	4	0	40	0	0	0	44	\$6,720	\$0	\$6,720	2	0	0	2	\$360	\$0	\$360	\$7,080	\$360	\$6,720	
4.15	Regional Coordination		4	20	0	0	0	0	0	24	\$4,900	\$0	\$4,900	2	0	0	2	\$360	\$0	\$360	\$5,260	\$360	\$4,900	
4.16	Conduct Project Prioritization and Review Process		0	20	0	0	40	0	0	60	\$8,080	\$0	\$8,080	2	12	0	14	\$2,760	\$0	\$2,760	\$10,840	\$2,760	\$8,080	
4.17	Develop IRWMP Impelemntation Component and Finacial Plan		0	16	40	0	0	0	0	56	\$9,960	\$0	\$9,960	2	0	0	2	\$360	\$0	\$360	\$10,320	\$360	\$9,960	
4.18	Develop Data Management Methods		0	8	0	0	40	0	0	48	\$5,680	\$0	\$5,680	2	0	0	2	\$360	\$0	\$360	\$6,040	\$360	\$5,680	
4.19	Develop Plan Monitoring Program		0	8	0	0	40	0	0	48	\$5,680	\$0	\$5,680	2	0	0	2	\$360	\$0	\$360	\$6,040	\$360	\$5,680	
Task 5 - Draft IRWMP for RWMG			4	48	16	24	24	16	32	164	\$23,620	\$0	\$23,620	20	120	0	140	\$25,200	\$0	\$25,200	\$48,820	\$25,200	\$23,620	
5.1	Prepare Administrative Draft IRWMP		4	40	16	24	20	16	24	144	\$20,956	\$0	\$20,956	0	0	0	0	\$0	\$0	\$0	\$20,956	\$0	\$20,956	
5.2	Review Administrative Draft by Participating Agneices of RWMG		0	0	0	0	0	0	0	0	\$0	\$0	\$0	8	96	0	104	\$18,720	\$0	\$18,720	\$18,720	\$18,720	\$0	
5.3	RWMG Review and Approval of Administrative Draft IRWMP		0	8	0	0	4	0	8	20	\$2,664	\$0	\$2,664	8	0	0	8	\$1,140	\$0	\$1,140	\$4,104	\$1,140	\$2,664	
5.4	Approval by RWMG for Public Release of IRWMP		0	0	0	0	0	0	0	0	\$0	\$0	\$0	4	24	0	28	\$5,040	\$0	\$5,040	\$5,040	\$5,040	\$0	
Task 6 - Draft IRWMP for Public Review			0	20	0	0	16	16	0	52	\$7,424	\$0	\$7,424	16	40	0	56	\$10,080	\$0	\$10,080	\$17,504	\$10,080	\$7,424	
6.1	Prepare Public Draft of IRWMP		0	8	0	0	8	8	0	24	\$3,312	\$0	\$3,312	8	0	0	8	\$1,440	\$0	\$1,440	\$4,752	\$1,440	\$3,312	
6.2	Review and Incorporate Public Comments into IRWMP		0	12	0	0	8	8	0	28	\$4,112	\$0	\$4,112	8	40	0	48	\$8,640	\$0	\$8,640	\$12,752	\$8,640	\$4,112	
Task 7 - Prepare Final IRWMP			4	12	8	0	8	8	52	92	\$10,628	\$0	\$10,628	8	40	0	48	\$8,640	\$0	\$8,640	\$19,268	\$8,640	\$10,628	
7.1	Prepare Final IRWMP		4	8	8	0	8	8	32	68	\$8,188	\$0	\$8,188	0	0	0	0	\$0	\$0	\$0	\$8,188	\$0	\$8,188	
7.2	Adoption of IRWMP by Participating Agencies' Governing Boards		0	4	0	0	0	0	0	4	\$800	\$0	\$800	8	40	0	48	\$8,640	\$0	\$8,640	\$9,440	\$8,640	\$800	
7.3	Final IRWMP submitted to DWR/SWRCB		0	0	0	0	0	0	8	8	\$656	\$0	\$656	0	0	0	0	\$0	\$0	\$0	\$656	\$0	\$656	
7.4	Prepare hard and soft copies of IRWMP		0	0	0	0	0	0	12	12	\$984	\$0	\$984	0	0	0	0	\$0	\$0	\$0	\$984	\$0	\$984	
Total Hours			36	608	224	664	348	136	228	2244				342	768	88	1198							
Total Costs			\$8,100	#####	\$37,856	\$98,272	\$35,496	\$15,232	\$18,696		\$335,252	\$23,000	\$358,252	\$61,560	\$138,240	\$6,160		\$186,120	\$40,000	\$226,120	\$584,372	\$226,120	\$358,252	
Cost Estimating Assumptions																								

- **Administrative Staff.** Administrative staff will spend about eight[8] hours per month per agency, primarily supporting meetings and the overall project management and administration.

7.1.3 RWMG Member Agency Assumptions for In-Kind Services

Each agency representative is anticipated to spend about 5 hours on average per month on the development of the IRWMP during the 12-month project duration.

7.1.4 Cost Estimate Assumptions for Consultant Support

Qualified consultants will be retained to support the efforts of the participating local agencies to develop the IRWMP. An engineering consultant(s) will complete much of the technical analysis needed to complete the IRWMP, support the public outreach activities, and prepare the draft and final IRWMP. The estimated level of effort for consultant support is shown on Table 7-1 and the associated costs of an experienced consulting firm that prepares IRWMPs are based on 2010 rates.

7.2 Non-State Matching Funds

Current estimated match is 39% of the total project cost which is greater than the minimum match of 25% required in the PSP. About \$57,200 in direct costs has already been spent by the RWMG for staff and consultants since October 2008 in support of the ongoing IRWM-related activities such as the RAP and updates to the Yuba Region IRWMP project list. Additional staff work will be needed during the update of the Yuba IRWMP. These costs will be borne by the RWMG members.

For the work identified to prepare the Plan Update, the project match of in-kind services is about 31%. The RWMG will account for in-kind services by staff and member representatives as part of its non-State funding match. RWMG representatives are city managers, water district staff, or their representatives and are an expense to their member agencies while working on the plan. They are not voluntary positions, and as such, their time spent on plan development qualifies as a matching cost share.

The RWMG will initiate a simple accounting system to verify the hours devoted to the development of the plan by agency representatives, RWMG staff, and associated consultants and service providers to verify the matching fund requirements for the grant. Should this accounting show that additional non-state matching funds are required; the RWMG is prepared to spend additional funds from its own resources.